

SYNPERONIC 91/8-LQ-(RB)

Version 1.0

Revision Date 04/19/2016

Print Date 04/19/2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SYNPERONIC 91/8-LQ-(RB)
Registered Product Identity : SYNPERONIC 91/8
Product code : ET02378
Chemical Name : C9-11 ALCOHOL (8) ETHOXYLATE

Manufacturer or supplier's details

Company : Croda Inc
Address : 300 A Columbus Circle
Edison, NJ 08837-3907
Telephone : (732) 417-0800
Telefax : (732) 417-0804

Emergency telephone : USA: 24 Hour Emergency Response Information CHEMTREC
toll free: 1-800-424-9300; direct/international: 1-703-527-3887.
CANADA: Quantum Murray (spill response) 1-877-378-7745.
CANADA: CANUTEC(collect) 1-613-996-6666. EUROPE: 00
32 3575 5555. ASIA PACIFIC - excl. China: +65 6542-9595.
CHINA: +86 816-635 2206. AUSTRALIA: +61 2 9616 5890.
SOUTH AFRICA: +32 3 575 55 55. LATAM: 0800 720 8000.
1-613-996-6666. INDIA: +91 22 30948601/2. JAPAN: +65
6542 9595 (24時間 日本語対応無料通話、シンガポール)
TÜRKIYE: Sağlık Bakanlığı Ulusal Zehir Merkezi - 114

Recommended use of the chemical and restrictions on use

Recommended use : Surfactant

Prepared by : Product Safety and Regulatory Affairs Department
(732) 417-0800

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4
Serious eye damage : Category 1

GHS Label element

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary Statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection/ face protection.

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Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

May irritate skin.

May cause irritation of respiratory tract.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Pure substance

Hazardous ingredients

Chemical Name	CAS-No.	Concentration [%]
Alcohols, C9-11, ethoxylated	68439-46-3	>= 90 - <= 100

SECTION 4. FIRST AID MEASURES

- If inhaled : If breathed in, move person into fresh air.
If symptoms persist, call a physician.
- In case of skin contact : In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
If symptoms persist, call a physician.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : If large quantities of this material are swallowed, call a physician immediately.
- Most important symptoms and effects, both acute and delayed : See section 2 and 11
- Notes to physician : None known.

SECTION 5. FIRE-FIGHTING MEASURES**Flammable properties**

- Flash point : 184 °C (363 °F)
Method: open cup

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Ignition temperature	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Flammability (solid, gas)	: No data available
Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire fighting	: Do not use a solid water stream as it may scatter and spread fire. Do not allow run-off from fire fighting to enter drains or water courses. In case of fire hazardous decomposition products may be produced such as: Carbon oxides
Specific extinguishing methods	:
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	: Prevent product from entering drains.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage	: Store in original container. Keep container tightly closed in a dry and well-ventilated place.

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Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Materials to avoid : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : In the case of vapor formation use a respirator with an approved filter.

Hand protection
Remarks : Impervious gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : almost colorless

Odor : mild

Odor Threshold : No data available

pH : 6, 1% In water

Melting point : 13 °C (55 °F)

Cloud point : 75 - 85 °C (167 - 185 °F) 1% In water

Pour point : 20.5 °C (68.9 °F)

Boiling point : No data available

Flash point : 184 °C (363 °F) Method: open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

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Relative density	: No data available
Density	: 1.0035 g/cm ³ (25 °C)
Solubility(ies)	
Water solubility	: soluble
Solubility in other solvents	: not determined
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: 47.4 mm ² /s (25 °C)
Explosive properties	: Classification Code: No data available
Oxidizing properties	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No data available
Chemical stability	: No data available
Possibility of hazardous reactions	: Stable under normal conditions. Stable under recommended storage conditions.
Conditions to avoid	: None known.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: No data available

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity	: LD50 Oral Rat: approximately 2,000 mg/kg Remarks: Ingestion may cause irritation to mucous membranes.
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Acute dermal toxicity : LD50 Dermal Rat: > 4,000 mg/kg

Skin corrosion/irritation**Product:**

Remarks: May irritate skin.

Serious eye damage/eye irritation**Product:**

Species: Rabbit

Result: Severe eye irritant

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitization**Product:**

Remarks: No data available

Germ cell mutagenicity**Product:**

Genotoxicity in vitro

: Remarks: In vitro tests did not show mutagenic effects

Carcinogenicity**Product:**

Test substance: No data available

Reproductive toxicity**Product:**

Effects on fertility

:
Test substance: No data available

STOT-single exposure**Product:**

Assessment: No data available

STOT-repeated exposure**Product:**

Assessment: No data available

Aspiration toxicity

No data available

Further information**Product:**

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Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 23.7 mg/l
Exposure time: 96 h
Test Method: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 13.4 mg/l
Exposure time: 48 h
Test Method: static test

Persistence and degradability

Product:

Biodegradability : Test Type: Dissolved organic carbon (DOC)
Biodegradation: 80 %
Method: OECD 301C: Modified MITI Test (I)

Test Type: Biodegradability, porous pot, Bismuth active substance
Biodegradation: 97 %

BOD/COD :
BOD/COD: 56 %
Remarks: Biological Oxygen Demand (BOD 28 DAY/COD)

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Remarks: No data available

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data available

Other adverse effects

Product:

Environmental fate and pathways : Remarks: None.
Results of PBT and vPvB assessment : Remarks: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

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Disposal methods

- Waste from residues : Dispose of in accordance with local regulations.
- Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulation****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

Domestic regulation**Special precautions for user**

- Remarks : Not regulated for transport in accordance with DOT, TDG, IMDG, and IATA regulations.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Pennsylvania Right To Know**

Alcohols, C9-11, ethoxylated 68439-46-3 90 - 100 %

New Jersey Right To Know

Alcohols, C9-11, ethoxylated 68439-46-3 90 - 100 %

California Prop 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

1,4-dioxane	123-91-1
Acetaldehyde	75-07-0
ethylene oxide	75-21-8
Formaldehyde	50-00-0

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WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

ethylene oxide

75-21-8

The ingredients of this product are reported in the following inventories:

TSCA

All chemical substances in this product are listed on the TSCA Inventory.

REACH

On the inventory, or in compliance with the inventory

DSL

All components of this product are on the Canadian DSL

AICS

On the inventory, or in compliance with the inventory

ENCS

On the inventory, or in compliance with the inventory

ISHL

On the inventory, or in compliance with the inventory

KECI

On the inventory, or in compliance with the inventory

PICCS

On the inventory, or in compliance with the inventory

IECSC

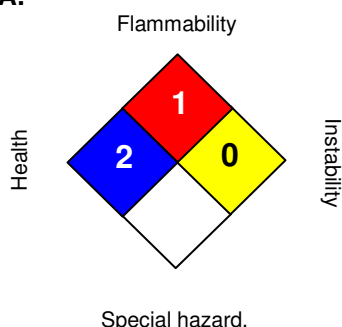
On the inventory, or in compliance with the inventory

For explanation of abbreviations see section 16.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS II:

HEALTH	2
FLAMMABILITY	1
Reactivity	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Key or legend to abbreviations and acronyms used in the safety data sheet

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

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